

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	0	(microfluid\$3 and fluid adj impermeable and needle and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 14:59
L2	5	(microfluid\$3 and needle and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 14:59
L3	8	(chamber and valve and needle and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 14:59
L4	4	((chamber reservoir) and pressure adj source and valve and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:00
L5	28	((chamber reservoir) and pump and valve and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:00
L6	0	((chamber reservoir) and valve and hydrogel and expandable and select\$4 and deposit\$4).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:00
L7	4608	(adhesive and needle and hydrogel with pressure same response)".clm"	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:01
L8	0	(adhesive and needle and hydrogel with pressure same response).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:01
L9	0	(adhesive and needle and medical and hydrogel with pressure).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:01
L10	0	(medical and (pump microfluidic) and hydrogel same pressure).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:01
L11	10	(medical and (pump microfluidic) and hydrogel and pressure).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:02

L12	108	(US-20020194909-\$ or US-20050097951-\$ or US-20070116607-\$ or US-20020040208-\$ or US-20020063060-\$ or US-20020117517-\$ or US-20020193729-\$ or US-20030019520-\$ or US-20030054652-\$ or US-20030077836-\$ or US-20030097092-\$ or US-20030130616-\$ or US-20030153900-\$ or US-20030167036-\$ or US-20030196900-\$ or US-20040059316-\$ or US-20040068224-\$ or US-20040248326-\$ or US-20040254434-\$ or US-20050038379-\$ or US-20050096587-\$ or US-20050143715-\$ or US-20060002804-\$ or US-20060057737-\$ or US-20060078462-\$ or US-20060102483-\$).did. or (US-6782746-\$ or US-6952962-\$ or US-6988402-\$ or US-7238196-\$ or US-5980508-\$ or US-6320029-\$ or US-7083593-\$ or US-5466261-\$ or US-2910242-\$ or US-3964482-\$ or US-4265241-\$ or US-4360019-\$ or US-4395259-\$ or US-4403984-\$ or US-4445885-\$ or US-4486190-\$ or US-4538616-\$ or US-4552561-\$ or US-4557726-\$ or US-4673391-\$ or US-4718430-\$ or US-4734092-\$ or US-4822336-\$ or US-4822337-\$ or US-4871351-\$ or US-4898582-\$).did. or (US-5030216-\$ or US-5085562-\$ or US-5109850-\$ or US-5122127-\$ or US-5152753-\$ or US-5152758-\$ or US-5169389-\$ or US-5178190-\$ or US-5224843-\$ or US-5279558-\$ or US-5290240-\$ or US-5336188-\$ or US-5336213-\$ or US-5337747-\$ or US-5354264-\$ or US-5492533-\$ or US-5569186-\$ or US-5593130-\$	US-PGPUB; USPAT; USOCR	OR	ON	2010/02/19 15:07
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		or US-5656032-\$ or US-5693018-\$ or US-5716343-\$ or US-5730137-\$ or US-5776103-\$ or US-5800420-\$ or US-5807375-\$ or US-5820622-\$ or US-5848991-\$). did. or (US-5906592-\$ or US-5921962-\$ or US-5935593-\$ or US-5995860-\$ or US-6050988-\$ or US-6068751-\$ or US-6186982-\$ or US-6193647-\$ or US-6201980-\$ or US-6268161-\$ or US-6416495-\$ or US-6425878-\$ or US-6475750-\$ or US-6485461-\$ or US-6485462-\$ or US-6514689-\$ or US-6523559-\$ or US-6562000-\$ or US-6589202-\$ or US-6589229-\$ or US-6635049-\$ or US-6663615-\$ or US-6689100-\$ or US-6695765-\$ or US-6740059-\$ or US-6951632-\$ or US-7007710-\$). did. or (US-7029455-\$).did. or (US-2910242-\$).did.				
S1	1	"20050038379"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 10:26
S2	36	(BEEBE near2 DAVID near2 J MACDONALD near2 MICHAEL near2 J EDDINGTON near2 DAVID near2 T MENSING near2 GLENNYS near2 A).in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 10:49
S3	7	("20020063060" "20020117517" "20020193729" "6268161" "6475750" "6485461" "6514689").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 09:44
S4	50	("6312393" "5243982" "4479796" "4931050" "6475753" "4505702" "5237993" "4265241" "4573994" "6312409" "6168587" "5800420" "5807375" "5820622" "6042561" "6471689" "6702779" "6395232" "6448090" "6817986" "6423001" "4360019" "6270455" "6589229" "6258062" "4398908" "5640954" "5201210" "6451240" "5637088"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 09:46

		"5575770" "5281199" "5350360" "5417656" "5476451" "5503630" "5527277" "5527278" "5531684" "5542923" "5554117" "5556381" "5607393" "5792123" "4384578" "4781675" "4834705" "4898585" "4952206" "5006118").pn.				
S5	602	(604/65).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:26
S6	314	(604/66).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:26
S7	689	(604/67).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:27
S8	787	(604/890.1).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:27
S9	728	(604/131).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:27
S10	256	(604/132).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:27
S11	101	(604/133).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:27
S12	611	(604/151).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:27
S13	526	(604/153).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:28
S14	1	("2002/0117517").URPN.	USPAT	OR	ON	2006/05/10 10:34
S15	1	("6951632").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:35

S16	63	("3570515" "3747628" "4046159" "4119368" "4153855" "4245673" "4434704" "4898582" "5085562" "5088515" "5096388" "5126115" "5164558" "5171132" "5178190" "5224843" "5259737" "5265327" "5290240" "5304487" "5336062" "5346372" "5375979" "5376252" "5400741" "5423287" "5529465" "5593130" "5642015" "5659171" "5660370" "5681024" "5705018" "5743960" "5759014" "5775371" "5836750" "5842787" "5846396" "5872010" "5875817" "5876187" "5879632" "5885470" "5932799" "5942443" "6007309" "6033544" "6033546" "6043080" "6068751" "6086825" "6090251" "6117396" "6123769" "6155282" "6174365" "6176962" "6296673" "6391622" "6408878" "6409832" "6720710"). PN. OR ("6951632"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 10:38
S17	1	("6523559 "). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 10:49
S18	7	("2807421" "2910242" "5641410" "6136212" "6201980"). PN. OR ("6523559"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 10:49
S19	38	("3618601" "3837339" "4003379" "4020830" "4181128" "4383529" "4401722" "4494950" "4538616" "4596575" "4639244" "4685463" "4705503" "4718430" "4822337"). PN. OR ("5152758"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 14:39
S20	16	("4080966" "4245648" "4425920" "4710164" "5269301" "5381797"). PN. OR ("5730137"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 14:55

S21	33	("4522622" "4529102" "4541429" "4721095" "4787071" "4991628" "5197708" "5222713" "5224843" "5527288" "5705070").PN. OR ("6068751").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:03
S22	39	("4114606" "4815469" "5704352" "5709225" "5711861").PN. OR ("6201980").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:09
S23	1	("2002/0117517").URPN.	USPAT	OR	ON	2006/05/10 15:13
S24	25	("3869676" "3883812" "4703756" "4919141" "5141873" "5305745" "5372133" "5431160" "5544651" "5593852" "5665065" "5752918" "5967975" "5995860" "6030827" "6102856" "6113539" "6150942" "6198394" "6268161").PN. OR ("6475750").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:14
S25	7	("2807421" "2910242" "5641410" "6136212" "6201980").PN. OR ("6523559").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:20
S26	3	("2003/0097092").URPN.	USPAT	OR	ON	2006/05/10 15:24
S27	1	("7029455").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/10 15:24
S28	160	("20010056258" "20040068224" "3631847" "3812843" "4067000" "4108177" "4151845" "4193397" "4211998" "4231019" "4268150" "4342311" "4364385" "4373527" "4424720" "4435173" "4469481" "4475901" "4498843" "4507115" "4514732" "4529401" "4551134" "4559033" "4559037" "4560979" "4562751" "4585439" "4601707" "4624661" "4634427" "4678408" "4684368" "4685903" "4734092" "4755173" "4781688" "4781693" "4801957"	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:24

"4808161"	"4836752"
"4855746"	"4871351"
"4882600"	"4886499"
"4898578"	"4898579"
"4944659"	"4969874"
"4973998"	"5007458"
"5045871"	"5062841"
"5109850"	"5125415"
"5176662"	"5178609"
"5189609"	"5205819"
"5213483"	"5232439"
"5239326"	"5242406"
"5244463"	"5254096"
"5257980"	"5281202"
"5308335"	"5312337"
"5318540"	"5342313"
"5346476"	"5364342"
"5411480"	"5433710"
"5452033"	"5492534"
"5505709"	"5507288"
"5514096"	"5533389"
"5545152"	"5569187"
"5573342"	"5575770"
"5576781"	"5582593"
"5584813"	"5630710"
"5637095"	"5643213"
"5647853"	"5660728"
"5665065"	"5665070"
"5678539"	"5685844"
"5685859"	"5695490"
"5702363"	"5704520"
"5726404"	"5726751"
"5741228"	"5747350"
"5748827"	"5755682"
"5776103"	"5779676"
"5785681"	"5785688"
"5797881"	"5800397"
"5800405"	"5810015"
"5814020"	"5839467"
"5840063"	"5845218"
"5848991"	"5851197"
"5858005"	"5858239"
"5865806")	PN. OR
("5871470"	"5875393"
"5886647"	"5897530"
"5906597"	"5911716"
"5919167"	"5931814"
"5935099"	"5954058"
"5957890"	"5961492"
"5965848"	"5983094"
"5993423"	"5997501"
"6019747"	"6024539"
"6061580"	"6071292"
"6144847"	"6174300"
"6190359"	"6206850"
"6244776"	"6375638"

		"6520936" "6527744" "6554798" "6689091" "6692457" "D303013" "D306691" "D311735" "D315727" "D405524").PN. OR ("7029455").URFN.				
S29	6	("5250023" "5533972" "5879326" "5964729" "6050988" "6083196").PN. OR ("6589202").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:31
S30	26	("20020006355" "3688764" "3964482" "4473083" "5250023" "5279544" "5320600" "5527288" "5656032" "5735818" "5879326" "5957895" "5997501" "5997524" "6050988" "6083196" "6132755" "6186982" "6219574" "6230051" "6256533" "6261272").PN. OR ("6689100").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 15:35
S31	2	("2004/0068224").URFN.	USPAT	OR	ON	2006/05/10 15:37
S32	7	("2807421" "2910242" "5641410" "6136212" "6201980").PN. OR ("6523559").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/10 17:55
S33	1	("6951632 ").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/08 14:29
S34	89	(US-20050038379-\$ or US- 20050143715-\$ or US- 20040068224-\$ or US- 20020040208-\$ or US- 20030153900-\$ or US- 20060057737-\$ or US- 20030130616-\$ or US- 20020193729-\$ or US- 20020117517-\$ or US- 20030077836-\$ or US- 20030054652-\$ or US- 20030019520-\$ or US- 20020063060-\$ or US- 20060078462-\$ or US- 20030097092-\$ or US- 20030167036-\$ or US- 20040254434-\$ or US- 20040059316-\$ or US- 20050096587-\$).did. or (US- 5354264-\$ or US-4395259-\$ or US-4486190-\$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:35

		4822337-\$ or US-4822336-\$ or US-7029455-\$ or US- 6562000-\$ or US-6186982-\$ or US-5995860-\$ or US- 4734092-\$ or US-4557726-\$ or US-6589229-\$ or US- 4718430-\$ or US-4673391-\$ or US-6689100-\$ or US- 6485462-\$ or US-6589202-\$ or US-6050988-\$ or US- 5776103-\$ or US-5921962-\$ or US-5906592-\$ or US- 5820622-\$ or US-5800420-\$ or US-5848991-\$ or US- 5716343-\$ or US-5693018-\$). did. or (US-5656032-\$ or US- 5336213-\$ or US-5336188-\$ or US-5279558-\$ or US- 5169389-\$ or US-5492533-\$ or US-5122127-\$ or US- 4445885-\$ or US-4403984-\$ or US-5152753-\$ or US- 3964482-\$ or US-5109850-\$ or US-6485461-\$ or US- 5290240-\$ or US-4538616-\$ or US-5569186-\$ or US- 6663615-\$ or US-5807375-\$ or US-4360019-\$ or US- 4265241-\$ or US-4871351-\$ or US-4898582-\$ or US- 7007710-\$ or US-6951632-\$ or US-5593130-\$ or US- 5224843-\$ or US-5178190-\$). did. or (US-5085562-\$ or US- 6201980-\$ or US-6068751-\$ or US-6523559-\$ or US- 2910242-\$ or US-6268161-\$ or US-6475750-\$ or US- 6695765-\$ or US-6193647-\$ or US-6514689-\$ or US- 5152758-\$ or US-6425878-\$ or US-6740059-\$ or US- 5730137-\$ or US-6635049-\$ or US-5337747-\$).did. or (US- 2910242-\$).did.				
S35	20	S34 and hydrogel	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 14:43
S36	1	"20050065500"	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:30
S37	0	medical and (pump microfluidic) and hydrogel same pressure same reservoir	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:36

S38	674	medical and (pump microfluidic) and hydrogel same pressure	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:53
S39	121	medical and (pump microfluidic) and hydrogel same pressure same expand\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:36
S40	44	needle and medical and (pump microfluidic) and hydrogel same pressure same expand\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:37
S41	32	adhesive and needle and medical and (pump microfluidic) and hydrogel same pressure same expand\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:46
S42	24	adhesive and needle and medical and hydrogel with pump	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:51
S43	146	adhesive and needle and medical and hydrogel with pressure	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:51
S44	0	adhesive and needle and medical and hydrogel with pressure with source	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:51
S45	1	adhesive and needle and hydrogel with pressure with source	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:52
S46	37	adhesive and needle and hydrogel with pressure same expand\$4	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:52
S47	3	adhesive and needle and hydrogel with pressure same response	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 15:52
S48	35	medical and (pump microfluidic) and hydrogel same pressure same response	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:07
S49	3	("5368571" "6416495" "6542350").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:13
S50	97	expand\$4 same hydrogel same (urge expel pump infuse) same fluid	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:37
S51	0	("2005/0038379").URPN.	USPAT	OR	ON	2006/12/08 16:20
S52	0	"20030196900"	USPAT	OR	ON	2006/12/08 16:20

S53	0	"20030196900"	USPAT	OR	ON	2006/12/08 16:20
S54	0	"20030196900"	USPAT	OR	ON	2006/12/08 16:20
S55	1	("20030196900").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/12/08 16:22
S56	42	hydrogel with member with expand same (drug fluid pump infuse urge expel)	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:23
S57	3	("5779676" "6117296" "6287294").PN. OR ("6416495").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:46
S58	1	("7047915").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:47
S59	0	(Soreq and et and al).in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:47
S60	25	(Soreq).in.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 16:47
S61	1	("5935593").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/15 14:16
S62	11	("20030196900" "20040068224" "20040248326" "20060002804" "4552561" "5109850" "5224843" "5716343" "6416495" "6523559" "6689100" "5224843" "6523559" "6689100").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/15 14:16
S63	27	("3604417" "3845770" "4034756" "4309996" "4327725" "4474575" "4503030" "4539004" "4595583" "4608048" "4678467" "4716031" "4743248" "4777049" "4781714" "4800056" "4814180" "5030216" "5082668" "5147654" "5221278" "5226902" "5312390" "5413572").PN. OR ("5935593").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/15 14:21

S64	11	("20030196900" "20040068224" "20040248326" "20060002804" "4552561" "5109850" "5224843" "5716343" "6416495" "6523559" "6689100").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/06/21 10:49
S65	3	(US-6485462-\$ or US- 5030216-\$ or US-5935593-\$). did.	USPAT	OR	ON	2007/10/05 14:07
S66	6	(US-20040248326-\$ or US- 20060002804-\$ or US- 20030196900-\$ or US- 20060102483-\$).did. or (US- 4552561-\$ or US-6416495-\$). did.	US-PGPUB; USPAT	OR	ON	2007/10/05 14:07
S67	89	(US-20020040208-\$ or US- 20040059316-\$ or US- 20030167036-\$ or US- 20060078462-\$ or US- 20030019520-\$ or US- 20030054652-\$ or US- 20020063060-\$ or US- 20020117517-\$ or US- 20020193729-\$ or US- 20030077836-\$ or US- 20040068224-\$ or US- 20050038379-\$ or US- 20030097092-\$ or US- 20050096587-\$ or US- 20040254434-\$ or US- 20050143715-\$ or US- 20030130616-\$ or US- 20030153900-\$ or US- 20060057737-\$).did. or (US- 6562000-\$ or US-6635049-\$ or US-6485462-\$ or US- 5492533-\$ or US-4360019-\$ or US-5800420-\$ or US- 5807375-\$ or US-6695765-\$ or US-4265241-\$ or US- 6740059-\$ or US-5820622-\$ or US-6193647-\$ or US- 6589229-\$ or US-6268161-\$ or US-6514689-\$ or US- 5109850-\$ or US-5224843-\$ or US-5716343-\$ or US- 6523559-\$ or US-6475750-\$ or US-6485461-\$ or US- 6689100-\$ or US-5906592-\$ or US-7029455-\$ or US- 5776103-\$ or US-5693018-\$). did. or (US-5656032-\$ or US- 5290240-\$ or US-6186982-\$	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:07

		or US-5336188-\$ or US-5169389-\$ or US-5921962-\$ or US-5995860-\$ or US-5569186-\$ or US-4871351-\$ or US-4822336-\$ or US-4734092-\$ or US-4718430-\$ or US-4557726-\$ or US-5279558-\$ or US-4673391-\$ or US-4486190-\$ or US-4395259-\$ or US-6425878-\$ or US-5730137-\$ or US-5337747-\$ or US-6663615-\$ or US-5152758-\$ or US-4822337-\$ or US-4538616-\$ or US-4445885-\$ or US-5354264-\$ or US-4403984-\$). did. or (US-5152753-\$ or US-4898582-\$ or US-7007710-\$ or US-6068751-\$ or US-6951632-\$ or US-5593130-\$ or US-5178190-\$ or US-5085562-\$ or US-6201980-\$ or US-2910242-\$ or US-5848991-\$ or US-6050988-\$ or US-3964482-\$ or US-6589202-\$ or US-5122127-\$ or US-5336213-\$).did. or (US-2910242-\$).did.				
S68	1	(S65 S66 S67) and reservoir same needle same valve and hydrogel same (pressure same source driv\$4 pump)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:09
S69	0	("2005/0038379").URPN.	USPAT	OR	ON	2007/10/05 14:09
S70	1	(S65 S66 S67) and reservoir and needle and valve and hydrogel same (pressure same source driv\$4 pump)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:09
S71	2	(S65 S66 S67) and reservoir and needle and valve and hydrogel and (pressure same source driv\$4 pump)	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:16
S72	2	(S65 S66 S67) and reservoir and needle and valve and hydrogel	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:16
S73	952	medical and reservoir and needle and valve and hydrogel	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:23
S74	259	S73 and microfluid\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:18

S75	196	S74 and pressure same hydrogel	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:18
S76	0	S74 and pressure same hydrogel same source	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:18
S77	4	medical and reservoir same needle same valve same hydrogel	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:29
S78	6	medical and reservoir same needle same valve same gel	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:33
S79	13	hydrogel with pressure with source	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:31
S80	2	medical and reservoir same needle same valve same colloid	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:34
S81	0	medical and reservoir same needle same valve same colloidal	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:34
S82	7	medical and reservoir same needle same valve same expandable	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:35
S83	5	osmotic with device same reservoir same needle same valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:38
S84	37	osmotic with device and reservoir same needle same valve	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 14:39
S85	0	(64/196495).APP.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/05 14:46
S86	1	("6416495").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/05 14:46
S87	37	S67 and needle and adhesive	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 15:00
S88	23	S67 and needle and adhesive with skin	US-PGPUB; USPAT; USOCR	OR	ON	2007/10/05 15:00

S89	89	(US-20020040208-\$ or US-20040059316-\$ or US-20030167036-\$ or US-20060078462-\$ or US-20030019520-\$ or US-20030054652-\$ or US-20020063060-\$ or US-20020117517-\$ or US-20020193729-\$ or US-20030077836-\$ or US-20040068224-\$ or US-20050038379-\$ or US-20030097092-\$ or US-20050096587-\$ or US-20040254434-\$ or US-20050143715-\$ or US-20030130616-\$ or US-20030153900-\$ or US-20060057737-\$).did. or (US-6562000-\$ or US-6635049-\$ or US-6485462-\$ or US-5492533-\$ or US-4360019-\$ or US-5800420-\$ or US-5807375-\$ or US-6695765-\$ or US-4265241-\$ or US-6740059-\$ or US-5820622-\$ or US-6193647-\$ or US-6589229-\$ or US-6268161-\$ or US-6514689-\$ or US-5109850-\$ or US-5224843-\$ or US-5716343-\$ or US-6523559-\$ or US-6475750-\$ or US-6485461-\$ or US-6689100-\$ or US-5906592-\$ or US-7029455-\$ or US-5776103-\$ or US-5693018-\$).did. or (US-5656032-\$ or US-5290240-\$ or US-6186982-\$ or US-5336188-\$ or US-5169389-\$ or US-5921962-\$ or US-5995860-\$ or US-5569186-\$ or US-4871351-\$ or US-4822336-\$ or US-4734092-\$ or US-4718430-\$ or US-4557726-\$ or US-5279558-\$ or US-4673391-\$ or US-4486190-\$ or US-4395259-\$ or US-6425878-\$ or US-5730137-\$ or US-5337747-\$ or US-6663615-\$ or US-5152758-\$ or US-4822337-\$ or US-4538616-\$ or US-4445885-\$ or US-5354264-\$ or US-4403984-\$).did. or (US-5152753-\$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:15
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		4898582-\$ or US-7007710-\$ or US-6068751-\$ or US- 6951632-\$ or US-5593130-\$ or US-5178190-\$ or US- 5085562-\$ or US-6201980-\$ or US-2910242-\$ or US- 5848991-\$ or US-6050988-\$ or US-3964482-\$ or US- 6589202-\$ or US-5122127-\$ or US-5336213-\$).did. or (US- 2910242-\$).did.				
S90	50	S89 and valve	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:16
S91	9	S89 and valve with flexible	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:16
S92	0	("2005/0038379").URPN.	USPAT	OR	ON	2008/05/05 13:17
S93	1	("20010031740" "5869077"). PN.	USPAT	OR	ON	2008/05/05 13:38
S97	1	"20040248326"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:43
S98	237	hydrogel with pump	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:44
S99	116	S98 and medical	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:44
S100	161	hydrogel with pump and drug	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:45
S101	77	S100 and needle	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:45
S102	24	S100 and needle and valve	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:47
S103	24	medical with check with valve with flexible	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 13:54
S104	1	("4552561").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/05 13:57
S105	28	medical and check with valve with flexible with spring	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 14:01

S106	41	medical same check with valve with spring	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 14:03
S107	37	S106 not S105	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 14:03
S108	53	"5403893"	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/05 14:17
S109	1	("5403893").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/05 14:17
S110	3	("20040248326" "4552561" "4556086").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/20 23:06
S111	2	((("6416495") or ("5693018"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/11/20 23:42
S112	3	("20040248326" "4552561" "4556086").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 15:42
S113	2	("5693018" "6416495").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 15:42
S114	3	(US-6485462-\$ or US-5030216-\$ or US-5935593-\$).did.	USPAT	OR	ON	2009/03/27 15:44
S115	6	(US-20040248326-\$ or US-20060002804-\$ or US-20030196900-\$ or US-20060102483-\$).did. or (US-4552561-\$ or US-6416495-\$).did.	US-PGPUB; USPAT	OR	ON	2009/03/27 15:44
S116	89	(US-20020040208-\$ or US-20040059316-\$ or US-20030167036-\$ or US-20060078462-\$ or US-20030019520-\$ or US-20030054652-\$ or US-20020063060-\$ or US-20020117517-\$ or US-20020193729-\$ or US-20030077836-\$ or US-20040068224-\$ or US-20050038379-\$ or US-20030097092-\$ or US-20050096587-\$ or US-20040254434-\$ or US-20050143715-\$ or US-20030130616-\$ or US-20030153900-\$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2009/03/27 15:44

		20060057737-\$).did. or (US-6562000-\$ or US-6635049-\$ or US-6485462-\$ or US-5492533-\$ or US-4360019-\$ or US-5800420-\$ or US-5807375-\$ or US-6695765-\$ or US-4265241-\$ or US-6740059-\$ or US-5820622-\$ or US-6193647-\$ or US-6589229-\$ or US-6268161-\$ or US-6514689-\$ or US-5109850-\$ or US-5224843-\$ or US-5716343-\$ or US-6523559-\$ or US-6475750-\$ or US-6485461-\$ or US-6689100-\$ or US-5906592-\$ or US-7029455-\$ or US-5776103-\$ or US-5693018-\$). did. or (US-5656032-\$ or US-5290240-\$ or US-6186982-\$ or US-5336188-\$ or US-5169389-\$ or US-5921962-\$ or US-5995860-\$ or US-5569186-\$ or US-4871351-\$ or US-4822336-\$ or US-4734092-\$ or US-4718430-\$ or US-4557726-\$ or US-5279558-\$ or US-4673391-\$ or US-4486190-\$ or US-4395259-\$ or US-6425878-\$ or US-5730137-\$ or US-5337747-\$ or US-6663615-\$ or US-5152758-\$ or US-4822337-\$ or US-4538616-\$ or US-4445885-\$ or US-5354264-\$ or US-4403984-\$). did. or (US-5152753-\$ or US-4898582-\$ or US-7007710-\$ or US-6068751-\$ or US-6951632-\$ or US-5593130-\$ or US-5178190-\$ or US-5085562-\$ or US-6201980-\$ or US-2910242-\$ or US-5848991-\$ or US-6050988-\$ or US-3964482-\$ or US-6589202-\$ or US-5122127-\$ or US-5336213-\$).did. or (US-2910242-\$).did.				
S117	7	(US-20020194909-\$ or US-20050097951-\$ or US-20070116607-\$).did. or (US-6782746-\$ or US-6952962-\$ or US-6988402-\$ or US-7238196-\$).did.	US-PGPUB; USPAT	OR	ON	2009/03/27 15:44

S118	0	("2005/0038379").URPN.	USPAT	OR	ON	2009/03/27 16:00
S119	27	(S112 S113 S114 S115 S116 S117) and inject\$4 with (chamber reservoir)	USPAT	OR	ON	2009/03/27 17:59
S120	22	(S112 S113 S114 S115 S116 S117) and hydrogel	USPAT	OR	ON	2009/03/27 18:00
S121	8	S119 and S120	USPAT	OR	ON	2009/03/27 18:00
S122	97	(microfluid fluid medical) with delivery and inject\$4 with (chamber reservoir) and hydrogel same (pressure pump)	USPAT	OR	ON	2009/03/27 18:14
S123	17	(microfluid fluid medical) with delivery and inject\$4 with (chamber reservoir) and hydrogel with (pressure pump)	USPAT	OR	ON	2009/03/27 18:16
S124	3	hydrogel adj pump	USPAT	OR	ON	2009/03/27 18:21
S125	92	hydrogel with pump	USPAT	OR	ON	2009/03/27 18:24
S126	83	S125 not (S122 S123 S124)	USPAT	OR	ON	2009/03/27 18:39
S127	5	((("5716343") or ("5776103") or ("7083593") or ("4449983") or ("4552561"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/03/27 18:56
S128	4	((("20040248326") or ("6416495") or ("5693018") or ("4552561"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/16 13:06
S129	0	("2005/0038379").URPN.	USPAT	OR	ON	2009/11/16 14:19
S130	1	("4449983").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/17 10:50
S131	3	((("5848991") or ("5466261") or ("52902404552561") or ("6416495"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/17 10:51
S132	16	("4502160" "4854428" "4892546" "5071435" "5281226").PN. OR ("5466261").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 10:58

S133	108	(US-20020194909-\$ or US-20050097951-\$ or US-20070116607-\$ or US-20020040208-\$ or US-20020063060-\$ or US-20020117517-\$ or US-20020193729-\$ or US-20030019520-\$ or US-20030054652-\$ or US-20030077836-\$ or US-20030097092-\$ or US-20030130616-\$ or US-20030153900-\$ or US-20030167036-\$ or US-20030196900-\$ or US-20040059316-\$ or US-20040068224-\$ or US-20040248326-\$ or US-20040254434-\$ or US-20050038379-\$ or US-20050096587-\$ or US-20050143715-\$ or US-20060002804-\$ or US-20060057737-\$ or US-20060078462-\$ or US-20060102483-\$). did. or (US-6782746-\$ or US-6952962-\$ or US-6988402-\$ or US-7238196-\$ or US-5980508-\$ or US-6320029-\$ or US-7083593-\$ or US-5466261-\$ or US-2910242-\$ or US-3964482-\$ or US-4265241-\$ or US-4360019-\$ or US-4395259-\$ or US-4403984-\$ or US-4445885-\$ or US-4486190-\$ or US-4538616-\$ or US-4552561-\$ or US-4557726-\$ or US-4673391-\$ or US-4718430-\$ or US-4734092-\$ or US-4822336-\$ or US-4822337-\$ or US-4871351-\$ or US-4898582-\$). did. or (US-5030216-\$ or US-5085562-\$ or US-5109850-\$ or US-5122127-\$ or US-5152753-\$ or US-5152758-\$ or US-5169389-\$ or US-5178190-\$ or US-5224843-\$ or US-5279558-\$ or US-5290240-\$ or US-5336188-\$ or US-5336213-\$ or US-5337747-\$ or US-5354264-\$ or US-5492533-\$ or US-5569186-\$ or US-5593130-\$	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 10:59
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		or US-5656032-\$ or US-5693018-\$ or US-5716343-\$ or US-5730137-\$ or US-5776103-\$ or US-5800420-\$ or US-5807375-\$ or US-5820622-\$ or US-5848991-\$). did. or (US-5906592-\$ or US-5921962-\$ or US-5935593-\$ or US-5995860-\$ or US-6050988-\$ or US-6068751-\$ or US-6186982-\$ or US-6193647-\$ or US-6201980-\$ or US-6268161-\$ or US-6416495-\$ or US-6425878-\$ or US-6475750-\$ or US-6485461-\$ or US-6485462-\$ or US-6514689-\$ or US-6523559-\$ or US-6562000-\$ or US-6589202-\$ or US-6589229-\$ or US-6635049-\$ or US-6663615-\$ or US-6689100-\$ or US-6695765-\$ or US-6740059-\$ or US-6951632-\$ or US-7007710-\$). did. or (US-7029455-\$). did. or (US-2910242-\$). did.				
S135	43	S133 and (hydrogel cross-link \$4 adj polymer\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 11:00
S136	2	((("5312390") or ("5413572")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/17 11:14
S137	3	((("5935593") or ("5980508") or ("5466261")). PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/11/17 11:15
S138	0	(microfluid\$3 and fluid adj impermeable and needle and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 12:48
S139	5	(microfluid\$3 and needle and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 12:48
S140	8	(chamber and valve and needle and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 12:50
S141	4	((chamber reservoir) and pressure adj source and valve and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 12:52
S142	28	((chamber reservoir) and pump and valve and hydrogel).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 12:54

S143	0	((chamber reservoir) and valve and hydrogel and expandable and select\$4 and deposit\$4).clm.	US-PGPUB; USPAT; USOCR	OR	ON	2009/11/17 13:01
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